## CONTENTS-1962, Nos. 1-4

ALCALA, ANGEL C.	
Breeding behavior and early development of frogs of Negros, Philippine Islands	679
Anderson, James D.	013
A new subspecies of the ridge-nosed rattlesnake, Crotalus willardi, from Chihuahua,	
Mexico	160
Auffenberg, Walter	100
	627
The state of the s	021
BACKUS, RICHARD H. (See MARTIN R. BARTLETT)	
BAILEY, REEVE M. (See CARTER R. GILBERT)	
BAKER, JAMES K. (See FREDERICK R. GEHLBACH)	
BARROUR ROCER W	
An aggregation of copperheads, Aghistrodon contortrix	640
BARBOUR, ROGER W. (See TOM C. FULLER)	
BARLOW, GEORGE W.	
Ethology of the Asian Teleost, Badis badis. IV. Sexual Behavior	346
BARR, THOMAS C., IR., AND ROBERT A. KUEHNE	*
The cavefish, Amblyopsis spelaea, in northern Kentucky	662
BARTHOLOMEW, MARK A., JOHN DIVALL, AND JAMES F. MORROW	
Silver pike, an atypical Esox lucius, in Alaska, a first record	449
BARTLETT, MARTIN R. AND RICHARD H. BACKUS	
A catch of the rare gempylid Lepidocybium flavo-brunneum (Smith) in the Bahamas	845
BECHTEL, ELIZABETH (See H. BERNARD BECHTEL)	
BECHTEL, H. BERNARD AND ELIZABETH BECHTEL	
Heredity of albinism in the corn snake, Elaphe guttata guttata, demonstrated in captive	
breedings	
BEHNKE, R. J., TING PONG KOH, AND P. R. NEEDHAM	
Status of the landlocked salmonid fishes of Formosa with a review of Oncorhynchus	
masou (Brevoort)	400
BERRY, FREDERICK H. AND LUIS R. RIVAS	
Data on six species of needlefishes (Belonidae) from the Western Atlantic	152
BERRY, P. Y. AND J. A. BULLOCK	
The food of the common Malayan toad, Bufo melanostictus Schneider	736
BERTINI, FRANCISCO AND GUSTAVO RATHE	
Electrophoretic analysis of the hemoglobin of various species of anurans	181
BETZ, T. W.	
Surgical anesthesia in reptiles, with special reference to the water snake, Natrix rhom-	
bifera	284
BLACKETT, ROGER F.	
Some phases in the life history of the Alaskan blackfish, Dallia pectoralis	124
BOSCHUNG, HERBERT T., JR., AND JOHN COUCH	
A record of the sand shark, Carcharias taurus, off Pensacola, Florida	456
BOYAR, H. C.	
Blood cell types and differential cell counts in Atlantic herring, Clupea harengus ha-	
rengus	
BRAME, ARDEN H., JR., AND DAVID B. WAKE	
A new plethodontid salamander (Genus Bolitoglossa) from Venezuela with redescription	
of the Ecuadorian B. palmata (Werner)	
BRANDON, RONALD A. (See JAMES D. LAZELL, JR.)	
Branson, Branley A.	
Observations on the breeding tubercles of some Ozarkian minnows with notes on the	
barbels of Hybopsis	532

Branson, Branley A. and George A. Moore	
The lateralis components of the acoustico-lateralis system in the sunfish family Centrar-cidae	
Breder, C. M., Jr.	
Effects of a hurricane on the small fishes of a shallow bay	4
Breder, C. M., Jr.	-
On the significance of transparency in Osteichthid fish eggs and larvae	5
Breder, C. M., Jr.	
Interaction between the fishes Mugil and Lagodon	6
Briggs, John C.	
A new clingfish of the genus Lepadichthys from the New Hebrides	4
Briggs, John C.	
Restoration of the frogfish, Antennatus reticularis (Gilbert)	4
Briggs, John C.	
Results of the Amami Islands Expedition No. 5: The clingfishes (Gobiesocidae)	8
Brown, Bradford E.	
Occurrence of the walleye, Stizostedion vitreum, in Alabama south of the Tennessee Valley	4
Brown, C. J. D. (See Howard E. Johnson)	
BULLOCK, J. A. (See P. Y. BERRY)	
BURKE, JACK D.	
A simple technique for immobilizing fish to remove blood	1
Burns, Douglas M.	
The taxonomic status of the salamander Plethodon vandykei larselli	
CAHN, PHYLLIS H. AND EVELYN SHAW	
The first demonstration of lateral line cupulae in the Mugiliformes	
CALDWELL, DAVID K.	
Western Atlantic fishes of the family Priacanthidae	4
CALDWELL, DAVID K. AND CHARLES R. CARLIN	
A photomicrographic adapter for stereomicroscopes useful in photographing fish larvae	,
CALDWELL, DAVID K.	
An announcement of specimens available as types for the Istiophorid fishes Istiompax	
marlina and Istiophorus greyi	•
CAMPBELL, HOWARD W.	
An extension of the range of Haldea valeriae in Florida	•
CARLIN, CHARLES R. (See DAVID K. CALDWELL)	
Church, Gilbert	
The reproductive cycles of the Javanese house geckos, Cosymbotus platyurus, Hemidac-	
tylus frenatus, and Peropus mutilatus	
COLLETTE, BRUCE B.	
Arboreality, lamellae, and body size in two species of Cuban geckos	
COOPER, JOHN E.	
Stereochilus marginatus in Southeastern South Carolina	
Couch, John (See Herbert T. Boschung, Jr.)	
CRADDOCK, JAMES E. (See W. L. MINCKLEY)	
CROSSMAN, E. J.	
The redfin pickerel, Esox a. americanus in North Carolina	
Vascularization of respiratory surfaces in some Caudata	
Dawson, C. E.	
Notes on anomalous American Heterosomata with descriptions of five new records	
Dawson, C. E.	
A new Gobioid fish, Microdesmus lanceolatus, from the Gulf of Mexico with notes on	
M. longipinnis (Weymouth)	

N١

Daws Ne Daws

Pa: Dege

DELC DESS/

DESS. DEUE Inf

DE W DEW On

DEW A DEW A DISTI

Ett DIVA EARL Th EGER SOI EMEI DO ESSAI NO ETHE Ske

FEUE Str

FIRLI FORR FOX, Th FOX, FULL Th FUNK A GANS

GEHI Kir Gilb Syr

Dawson, C. E.	
New records and notes on fishes from the north-central Gulf of Mexico	442
Dawson, C. E.	
Partial albinism in the fish Astroscopus y-graecum Cuvier	837
DEGENHART, WILLIAM G. (See JOHN W. WRIGHT)	
DELCO, EXALTON A., JR. (See CLARK HUBBS)	
DESSAUER, HERBERT C., WADE FOX, AND F. HARVEY POUGH	
Starch-gel electrophoresis of transferrins, esterases, and other plasma proteins of hybrids between two subspecies of whiptail lizard (Genus Cnemidophorus)	
DESSAUER, HERBERT C. (See WADE FOX)	
Deubler, Earl. E., Jr., and John C. White, Jr.  Influence of salinity on growth of postlarvae of the summer flounder, <i>Paralichthys den-</i>	
tatus	468
DE WIT, J. J. DUYVENÉ (See JURAJ HOLČÍK) DEWITT, HUGH H.	
On the probable identity of Macrias amissus, a deep-water notothenioid fish from the	
Chilean coast	
DEWITT, HUGH H.	. 05
A new genus and species of Zoarcid fish from McMurdo Sound, Antarctica	819
DEWITT, HUGH H.	,
A new Antarctic Nototheniid fish with notes on two recently described Nototheniiforms	820
DISTLER, D. A. AND A. L. METCALF	
Etheostoma pallididorsum, a new Percid fish from the Caddo River System of Arkansas	556
DIVALL, JOHN (See MARK A. BARTHOLOMEW)	
EARLE, ALVIN M.	
The middle ear of the genus Uma compared to those of the other sand lizards	. 18
EGERTON, FRANK N.  Some seventeenth-century notes on fish populations	054
EMERY, JERRY A. AND ROBERT K. GRAY	. 69
Dosage death-time relationship in chicks for venom of Crotalus adamanteus	201
Essapian, Frank S.	. 40
Notes on the behavior of sharks in captivity	45
Etheridge, Richard	
Skeletal variation in the Iguanid lizard Sator grandaevus	61
FEUER, ROBERT C.	
Structure of scales in a Caecilian (Gymnopis mexicanus) and their use in age deter-	
mination	. 630
FIRLIT, C. F. (See K. K. HISAOKA)	
FORRESTER, C. R. (See I. B. MACASKIE) FOX, WADE AND HERBERT C. DESSAUER	
The single right oviduct and other urogenital structures of female Typhlops and Lepto-	
typhlops	
Fox, Wade (See Herbert C. Dessauer)	
FULLER, TOM C. AND ROGER W. BARBOUR	
The distribution of Cemophora coccinea (Blumenback) in Kentucky	. 63
FUNKHOUSER, ANNE	
A new Phyllomedusa from Venezuela	. 58
0	
GANS, CARL	
Redefinition and description of the Brasilian reptiles Amphisbaena silvestrii Boulenger	
and A. neglecta Dunn and Piatt	. 10
GEHLBACH, FREDERICK R. AND JAMES K. BAKER	90
Kingsnakes allied with Lampropeltis mexicana: taxonomy and natural history	. 49
Superson should be and distribution of the American Committed fish Naturals showed	: 90

r-... 1

... 459
... 561
... 662
... 424
... 440
... 851

ee .... 469

.... 852 .... 177

.... 109

ax .... 467

.... 438

ıc-.... 262

.... 644

.... 114

.... 138

on .... 330

GORDON, MALCOLM S. AND DONN ERIC ROSEN  A cavernicolous form of the Poeciliid fish Poecilia sphenops from Tabasco, Mexico  GRAY, ROBERT K. (See JERRY A. EMERY)  GRUNDHAUSER, WALTER (See X. J. MUSACCHIA)  GUNTER, GORDON (See J. W. WARD)	360
HAZLETT, BRIAN AND HOWARD E. WINN Sound producing mechanism of the Nassau grouper, Epinephalus striatus HEATWOLE, HAROLD (See FREDERICK H. TEST) HECKROTTE, CARLTON	
The use of powdered earthworm in the feeding of snakes	
Note on the schooling behavior of the striped mullet, Mugil cephalus, in Texas	
Heyamoto, Hiromu and Charles R. Hitz  Northern range extensions of three species of rockfish (Sebastodes rubrivinctus, S. aurora,	
and S. helvomaculatus) HIGHTON, RICHARD	
Geographic variation in the life history of the slimy salamander	
Unusual defense movements in Scorpaena plumieri mystes  HIRTH, HAROLD F.  Cloacal temperatures of the green and hawksbill sea turtles	
HISAOKA, K. K. AND C. F. FIRLIT  Ovarian cycle and egg production in the zebrafish, Brachydanio rerio	
HITZ, CHARLES R. (See Hiromu Heyamoto) HOESE, H. D. (See THOMAS R. HELLIER, JR.)	
HOLČÍK, JURAJ AND J. J. DUYVENÉ DE WIT  Characteristics of Rhodeus ocellatus and Acheilognathus lanceolatus hybrids	377
HOLČÍK, JURAJ AND J. J. DUYVENÉ DE WIT  The taxonomic characteristics of hybrid Rhodeus  HOLMAN, J. ALAN	777
A Texas Pleistocene herpetofauna HUBBS, CLARK AND EXALTON A. DELCO, JR.	255
Courtship preferences of Gambusia affinis associated with the sympatry of the parental populations	
Inger, Robert F. On the terrestrial origin of frogs	835
IVERSEN, E. S. AND D. C. TABB Subpopulations based on growth and tagging studies of spotted scatrout, Cynoscion nebulosus, in Florida	
JACKSON, P. B. N. Why do Nile crocodiles attack boats?	204
Janzen, Daniel H.  Injury caused by toxic secretions of Phrynohyas spilomma Cope	651
JOHNSON, HOWARD E. AND C. J. D. BROWN Olfactory apparatus in the black rockfish, Sebastodes melanops JONES, ROBERT S.	
A new spawning area for Istiophorus albicans and the capture of two postlarval istiophorids from the Texas coast	
KAPOOR, A. S.  Development of latero-sensory canal bones in the fish Ophicephalus punctatus	. 854
KEEGAN, H. L., F. W. WHITTEMORE, AND G. R. MAXWELL  Neutralization of ten snake venoms by homologous and heterologous antivenins	. 313

МΙ

Koh, Kueh

LANN A C LANZ

LAZEI
A 1
LEGEN
Aut
LEVIT
LIMB

LIVIN LYNC An

MACA Pac Magi No Mara Mari Th Mari Sor Mari Th

MASI MAXI McCo A

McN A MEES OC METO MICH Ca

MILL Ea MILL MILL Ta MILL Re MILL Ser

	Kuehne, Robert A. (See Thomas C. Barr, Jr.)	
	LANNON, JOSEPH R., JR.	
	A different method of catching the desert lizards, Callisaurus and Uma	437
1	LANZA, BENEDETTO	
	On the introduction of Rana ridibunda Pallas and Rana catesbeiana Shaw in Italy	642
	LAZELL, JAMES D., JR., AND RONALD A. BRANDON	
	A new stygian salamander from the southern Cumberland Plateau	300
	LEGENDRE, VIANNEY	001
	Author and type of Lampetra	221
	LIMBAUGH, CONRAD	
	Life history and ecological notes on the tubenose, Aulorhynchus flavidus, a hemibranch	
	fish of western North America	
	LIVINGSTONE, DANIEL (See JONATHAN RICHARDSON)	
	Lynch, John	
	An osteological character on the ilia of Acris crepitans Baird, Acris gryllus LeConte, and	
	Hyla crucifer Wied	434
	MACASKIE, I. B. AND C. R. FORRESTER	
	Pacific leatherback turtles (Dermochelys) off the coast of British Columbia	646
	MAGILL, AUSTIN R.  Northerly range extension of the California halibut	0.40
	MARAK, ROBERT R. (See DAVID MILLER)	840
	MARTAN, JAN (See ROBERT L. VAN DE VELDE)	
	MARTOF, BERNARD S. AND FRANCIS L. ROSE	
	The taxonomic status of the plethodontid salamander, Desmognathus planiceps	215
	MARTOF, BERNARD S.	
	Some observations on the feeding of Fowler's toad	439
	MARTOF, BERNARD S. AND FRANCIS L. ROSE	
	The comparative osteology of the anterior cranial elements of the salamanders Gyri-	
	nophilus and Pseudotriton	727
	MASLIN, T. PAUL (See CLARENCE J. McCOY, JR.)	
	MAXWELL, G. R. (See H. L. KEEGAN)	
	McCoy, Clarence J., Jr., and T. Paul Maslin  A review of the Teiid lizard Cnemidophorus cozumelus and the recognition of a new	
	race, Cnemidophorus cozumelus rodecki	
	McNulty, C. L., Jr., and Bob H. Slaughter	. 040
	A new sawfish from the Woodbine Formation (Cretaceous) of Texas	775
	MEES, G. F.	
	Occurrence of internal nares in the genus Ichthyscopus (Pisces, Uranoscopidae)	462
	METCALF, A. L. (See D. A. DISTLER)	
	MICHAUD, TED C.	
	Call discrimination by females of the chorus frogs, Pseudacris clarki and Pseudacris	
	nigrita	213
	MILLER, DAVID AND ROBERT R. MARAK  Early larval stages of the fourspot flounder, Paralichthys oblongus	4=4
	MILLER, ROBERT RUSH (See TERUYA UYENO)	434
	MILLER, ROBERT RUSH	
	Taxonomic status of Cyprinodon baconi, a killifish from Andros Island, Bahamas	836
	MILLER, RUDOLPH J.	
	Reproductive behavior of the stoneroller minnow, Campostoma anomalum pullum	407
	MILLER, RUDOLPH J.	
	Sexual development and hermaphroditism in the hybrid cyprinid, Notropis cornutus X	
	N. rubellus	450

.... 360

... 447

.... 436 .... 453 .... 653

ra, .... 847 .... 597

.... 842 .... 647 .... 788

..... 377 ..... 777 ..... 255

tal ..... 396

..... 835

eb-..... 544

..... 204 ..... 651 ..... 838

ph-.... 453

..... 854 ..... 313

MINCKLEY, W. L. AND JAMES E. CRADDOCK	
A new species of Phenacobius (Cyprinidae) from the Upper Tennessee River System	369
MINCKLEY, W. L.	
Two new species of fishes of the genus Gambusia (Poeciliidae) from Northeastern	901
Mexico	391
Moore, George A. (See Branley A. Branson)	
Morrow, James E.  Variation in the form of the pectoral girdle in the blue marlin	990
Morrow, James E. (See Mark A. Bartholomew)	440
MULLEN, ROBERT K.	
The effect of calcium on the electrocardiogram of two Iguanid lizards	960
Musacchia, X. J. and Walter Grundhauser	403
Seasonal and induced alterations of water content in organs of the turtle, Chrysemys	
picta	570
Myers, George S.	310
The American leptodactylid frog genera <i>Eleutherodactylus</i> , <i>Hylodes</i> ( $\pm Elosia$ ), and	
Caudiverbera (= Calyptocephalus)	105
Myers, George S. and Alan E. Leviton	100
Generic classification of the high-altitude Pelobatid toads of Asia (Scutiger, Aeluro-	
phryne, and Oreolalax)	987
phryne, and orcondary	40,
NAKAMURA, EUGENE L.	
Observations on the behavior of skipjack tuna, Euthynnus pelamis, in captivity	499
Needham, P. R. (See R. J. Behnke)	
New, John G.	
Hybridization between two Cyprinids, Chrosomus eas and Chrosomus neogaeus	147
ORTON, GRACE L.	
Corrected list of published vertebral counts for certain eels (Apodes)	664
OSTROM, JOHN H.	001
On the constrictor dorsalis muscles of Sphenodon	732
PACKER, WAYNE C.	
Aquatic homing behavior in Taricha rivularis	207
PENRITH, J. J. (See F. H. TALBOT)	
PERLMUTTER, ALFRED	
Predation of the sea lamprey, Petromyzon marinus, on the Atlantic mackerel, Scomber	
scombrus	663
PIAVIS, GEORGE W.	
Exposure of several developmental stages of the sea lamprey, Petromyzon marinus, to	
selective larvicides	652
POUGH, F. HARVEY (See HERBERT C. DESSAUER)	
Pounds, Sandra An unusually large lookdown, Selene vomer, from Texas	
An unusually large lookdown, Selene vomer, from Texas	444
QASIM, S. Z. (See A. QAYYUM)	
QAYYUM, A. AND S. Z. QASIM	
Behavior of the Indian murrel, Ophicephalus punctatus, during brood care	465
partition, the manner, opinion partition, through of the same same same same same same same sam	100
RATHE, GUSTAVO (See FRANCISCO BERTINI)	
RICHARDSON, JONATHAN AND DANIEL LIVINGSTONE	
An attack by a Nile crocodile on a small boat	203
RISLEY, PAUL L. (See ROBERT L. VAN DE VELDE)	
RIVAS, LUIS R. (See FREDERICK H. BERRY)	
ROBERTS, NICHOLAS J. AND HOWARD E. WINN	
Utilization of the senses in feeding behavior of the Johnny Darter, Etheostoma nigrum	567
ROBINS, C. RICHARD	
Studies on fishes of the family Ophidiidae-VII. The Pacific species of Lepophidium	487

MI

ROBIN Stat ROBIN

Not Rodgi Rep

ROSE, ROSEN ROSSM

The Ruiba The

SAKSET The SAVAG Cot

SAXEN On SCATT Wh

SCATT Firs SCHNE The

SHAW Lor SHAW

SHAW A 1 SHAW SKUD,

Mes SLAUG SMITH Son

SOKOI The SPRING

A r Squir Ma

STARC STRAH SUT STRAS

Pel STRUE Th

> TABB TALB

Spe Taub Th

TEST,

ROBINS, C. RICHARD AND WALTER A. STARCK, II Status of the Cuban serranid fish Paralabrax maculata	859
ROBINSON, DOUGLAS C.	004
Notes on the lizard Anolis barberi Schmidt	640
RODGERS, THOMAS L.	010
Report of giant salamander in California	646
Rose, Francis L. (See Bernard S. Martof)	0.10
ROSEN, DONN ERIC (See MALCOLM S. GORDON)	
Rossman, Douglas A.	
Thamnophis proximus (Say) a valid species of garter snake	741
RUIBAL, RODOLFO	
The ecology and genetics of a desert population of Rana pipiens	189
SAKSENA, VISHNU P.	* 00
The post-hatching stages of the red shiner, Notropis lutrensis	539
SAVAGE, THOMAS	040
Cottus girardi Robins, a synonym of Cottus bairdi Girard	848
SAXENA, SUBHASH CHANDRA	CFC
On the pelvic girdle and fin of a hill stream sisorid fish, Pseudecheneis sulcatus	000
White sharks, Carcharodon carcharias, in Maine, 1959–1960	146
Scattergood, Leslie W.	770
First record of mako, Isurus oxyrinchus, in Maine waters	469
Schneider, Hans	104
The labyrinth of two species of drumfish (Sciaenidae)	336
Shaw, Charles	000
Longevity of snakes in the United States as of 1 January, 1962	438
Shaw, Charles E.	
A novel approach to an old collecting technique	644
SHAW, EVELYN (See PHYLLIS H. CAHN)	
SKUD, BERNARD E.	
Measurements of a white shark, Carcharodon carcharias, taken in Maine waters	659
SLAUGHTER, BOB H. (See C. L. McNulty, Jr.)	
SMITH, C. LAVETT	
Some Pliocene fishes from Kansas, Oklahoma, and Nebraska	505
SOKOL, ОТТО M.	
The tadpole of Hymenochirus boettgeri	272
Springer, Victor G.	
A review of the Blenniid fishes of the genus Ophioblennius Gill	426
SQUIRE, JAMES L., JR.	
Marlin and swordfish in oceanic waters of the Western North Atlantic	216
STARCK, WALTER A., II (See C. RICHARD ROBINS)	
STRAHAN, RONALD	
Survival of the hag, Paramyxine atami Dean, in diluted sea water	471
STRASBURG, DONALD W.	
Pelagic stages of Zanclus canescens from Hawaii	844
STRUHSAKER, PAUL	
The ceratioid fish Melanocetus johnsoni off the southeastern coast of the United States	
and a morphological observation	04
TABB, D. C. (See E. S. IVERSEN)	
TALBOT, F. H. AND J. J. PENRITH	
Spearing behavior in feeding in the black marlin, Istiompax marlina	468
TAUB, AARON M.	
The use of paraformaldehyde as a field preservative	209
TEST, FREDERICK H. AND HAROLD HEATWOLE	
Nesting sites of the red-backed salamander Plethodon cinereus in Michigan	200

..... 369

rn .... 391

.... 220

.... 269

iys .... 570

nd ..... 195

ro-..... 287

499

..... 147

..... 664

..... 207

ber ..... 663

to ..... 652

..... 444

..... 465

..... 203

n ... 567

THORN, ROBERT	
Protection of the brood by the male of the salamander, Hynobius nebulosus	638
TINKLE, DONALD W.	
Reproductive potential and cycles in female Crotalis atrox from northwestern Texas	306
TREADWELL, R. W. Extension of range of Mediterranean gecko	191
Extension of range of Mediterranean gecko	434
Triodon bursarius, a plectognath fish connecting the Sclerodermi and Gymnodontes	793
Tyler, Michael J.	
Notes on the Papuan hylid frog Nyctimystes gularis Parker	435
UYENO, TERUYA AND ROBERT RUSH MILLER	
Late Pleistocene fishes from a Trinity River terrace, Texas	338
UYENO, TERUYA AND ROBERT RUSH MILLER	
Relationships of Empetrichthys erdisi, a Pliocene Cyprinodontid fish from California,	
with remarks on the Fundulinae and Cyprinodontinae	520
Uzzell, Thomas M., Jr. Additional notes on teiid lizards of the genus <i>Placosoma</i>	222
Additional notes on tend nizards of the genus Flacosoma	033
VAN DE VELDE, ROBERT L., JAN MARTAN, AND PAUL L. RISLEY	
Eggs and hatchlings of the snake Coluber constrictor mormon from Oregon	212
VORENBERG, MORRIS M.	
Cannibalistic tendencies of lemon and bull sharks	455
WAKE, DAVID B. (See ARDEN H. BRAME, JR.)	
WARD, J. W. AND GORDON GUNTER	1.10
Description of the eyes of a blind specimen of the red drum, Sciaenops ocellata	440
WARNER, KENDALL The levelled as been grounded with a Cases Lake Thereworkfore Maine	191
The landlocked salmon spawning run at Cross Lake Thoroughfare, MaineWATERS, JOSEPH H.	131
Former distribution of the red-bellied turtle in the northeast	649
WATSON, GEORGE E.	
Notes on copulation and distribution of Aegean land tortoises	317
WHATLEY, EDWARD C.	
Occurrence of breeding Gulf pipefish, Syngnathus scovelli, in the inland fresh waters of	
Louisiana	220
White, John C., Jr.	
A reversed ambicolorate postlarval Gulf flounder, Paralichthys albigutta	854
WHITE, JOHN C., JR. (See EARL E. DEUBLER, JR.)	
WHITTEMORE, F. W. (See H. L. KEEGAN)	
WINN, HOWARD E. (See BRIAN HAZLETT)	
WINN, HOWARD E. (See NICHOLAS J. ROBERTS) WOOLFENDEN, GLEN E.	
A range extension and subspecific relations of the short-tailed snake, Stilosoma extenu-	
atum	
WRIGHT, JOHN W. AND WILLIAM G. DEGENHART	
The type locality of Cnemidophorus perplexus	210
Zahuranec, Bernard J.	
Range extensions of some cyprinid fishes in southeastern Ohio	842
ZEHR, DAVID R.	
Stages in the normal development of the common garter snake, Thamnophis sirtalis sir-	
talis	322
ZWEIFEL, RICHARD G.  Analysis of hybridization between two subspecies of the desert whiptail lizard, Cnemi-	
dophorus tigris	

ΜI

.... 638

..... 306

..... 434

.... 793

..... 435

..... 338

nia, ..... 520

..... 833

..... 212

..... 455

..... 440

..... 131

..... 649

..... 317

of 220

..... 854

nu-..... 648

..... 210

..... 842

sir-..... 322

mi-

..... 749